

## ABSTRACT OF THE DISCLOSURE

The present invention provides piezoelectric ceramics having a thickness of 100  $\mu\text{m}$  or less, surface flatness of 20  $\mu\text{m}$  or less and maximum surface unevenness of 3  $\mu\text{m}$  or less in arbitrary surface region, wherein in-plane variation in dielectric constant is 5% or less of an average dielectric constant. The piezoelectric ceramics are applied to an actuator used for a printing head because of small surface flatness and less in-plane variation in piezoelectric constant.